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Socioeconomic Monitoring Report

Fourth Quarter

December 31, 1983

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WHITE RIVER SHALE PROJECT

SOCIOECONOMIC MONITORING REPORT

FOURTH QUARTER 1983

White River Shale Oil Corporation
December 31, 1983

U.S. DEPARTMENT OF INTERIOR
OIL SHALE
ENVIRONMENTAL ADVISORY PANEL
Denver Federal Center

SUMMARY
WHITE RIVER SHALE PROJECT WORK FORCE
FOURTH QUARTER 1983

1. Total Employees

Permanent	15
Temporary	141
	156

2. Marital Status

Single	28
Married, Single Status	23
Married, Family Status	105
No Response	0
	156

3. Location of Residence While on the Project

Jensen	6
Maeser	11
Naples	15
Vernal	75
Other Ashley Valley	35
Lapoint	1
Roosevelt	0
On-Site	7
Dinosaur	1
Rangely	0
No Response	5
	156

4. Work Force Origin

Local	26
Nonlocal	130
No Response	0
	156

5. Location of Permanent Residence

Local

Jensen	2
Maeser	4
Naples	4
Vernal	11
Other Ashley Valley	4
Lapoint	1
Roosevelt	0
Dinosaur	0
Rangely	0
No Response	0
	26

New Residents*

Jensen	3
Maeser	7
Naples	4
Vernal	23
Other Ashley Valley	18
Rangley	0
	55

Nonlocal

Utah	16
New Mexico	3
North Carolina	4
Colorado	9
Illinois	11
Indiana	3
Kentucky	2
Other	22
No Response	5
	75

6. Type of Residence

Single Family	60
Apartment/ Condominium	48
Mobile Home	28
Recreation Vehicle	13
Motel/Hotel	4
Other	2
No Response	1
	156

7. Employees' Children (Age)

0-2	31
3-5	32
6-11	44
12-17	34
	141

8. Job Title

Admin/Clerical/Security	22
Carpenter/Cement	7
Electrician	3
Engineer/Technician	14
Laborer	6
Mechanic	13
Miner	51
Operator	19
Plumber/Welder	1
Supervisor	7
Truck Driver	9
No Response	4
	156

9. Previous Employment Status

Employed	86
Unemployed	56
No Response	14
	156

* Workers on the White River Shale Project that have moved to the area as a result of employment opportunities.

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PREFACE

The White River Shale Oil Corporation (WRSOC) was formed in 1974 by Phillips Petroleum Company, Sohio Shale Oil Company, and Sunoco Energy Development Co. as agent of the three owners to develop Federal Prototype Oil Shale Lease Tracts Ua and Ub. The two tracts are located in Uintah County, Utah, approximately 50 miles southeast of Vernal, Utah (Figure 1). The right to develop the tracts was obtained in June 1974 from the U.S. Department of Interior for a bonus bid of $120.7 million. Covering a total of 10,240 acres, the tracts have recoverable reserves estimated at over 700 million barrels of oil.

In 1977, due to environmental monitoring and title questions, the owner companies asked for suspension of the lease terms. That suspension continued in effect, pursuant to an injunction issued by the Federal District Court in Utah, until March 1982. On-site preparation work began in April 1982. Site work has proceeded since then in preparation for development of a room-and-pillar oil shale mine. This mine and the above-ground processing facilities are scheduled to be developed in three phases. Operation of the Phase I modular facility is planned to begin in 1988-89 (Figure 2). This would involve a 27,000 ton per day mine and shale oil production of about 16,500 barrels per day. Following the planned completion of Phase I, it is the current goal of the project owners to expand the project facilities in subsequent phases and ultimately to have a production capacity of 106,000 barrels per day in place on the leased tracts. At this level, the mine would produce 176,000 tons per day of oil shale.

It is the intention of the White River Shale Oil Corporation to cooperate with and assist public and private organizations in anticipating and mitigating socioeconomic impacts related to the White River Shale Project (WRSP). In keeping with this policy, WRSOC has established a process for monitoring the shale project's socioeconomic impacts in Utah and western Colorado. The information obtained through this monitoring process constitutes an important component of the WRSP impact mitigation program.

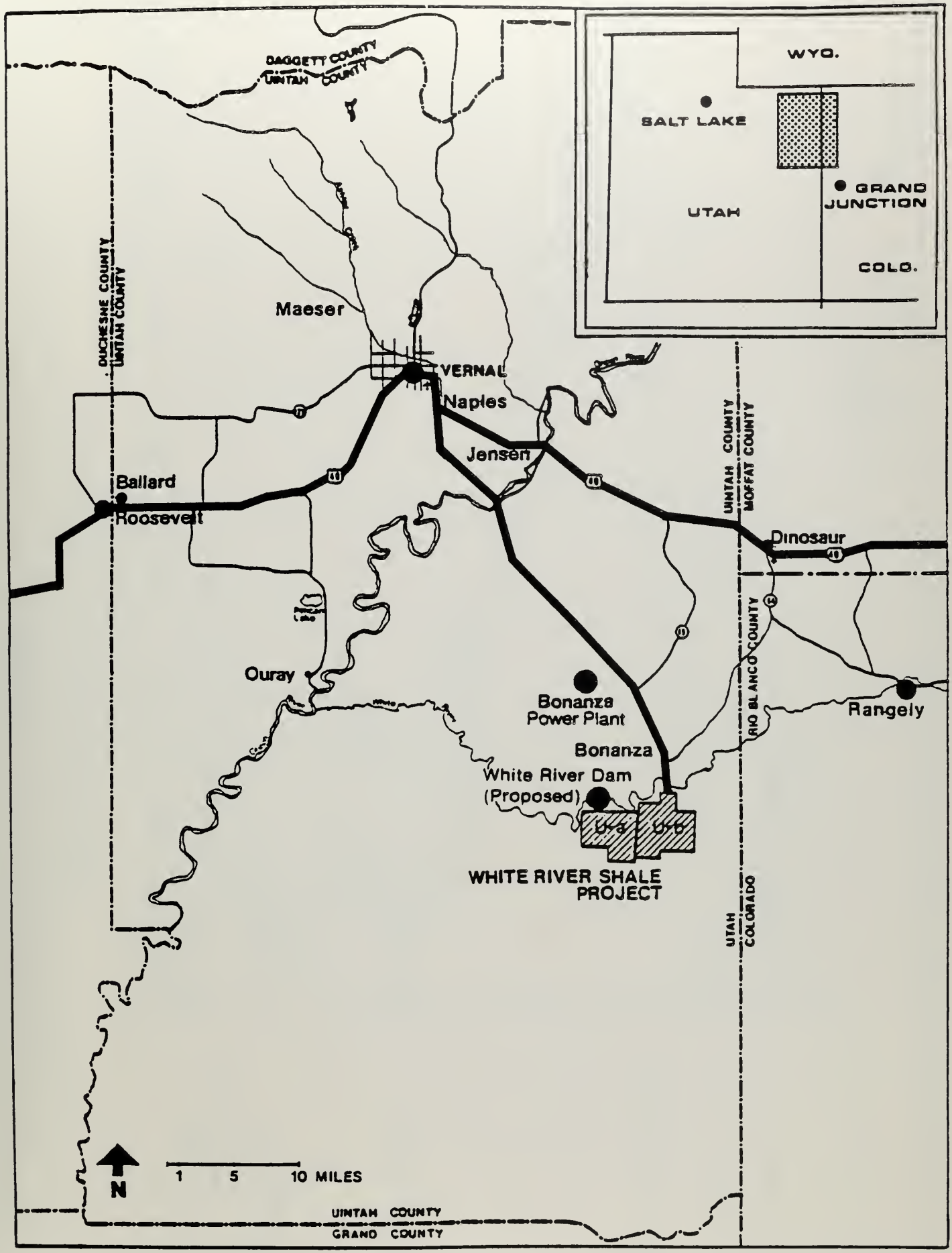
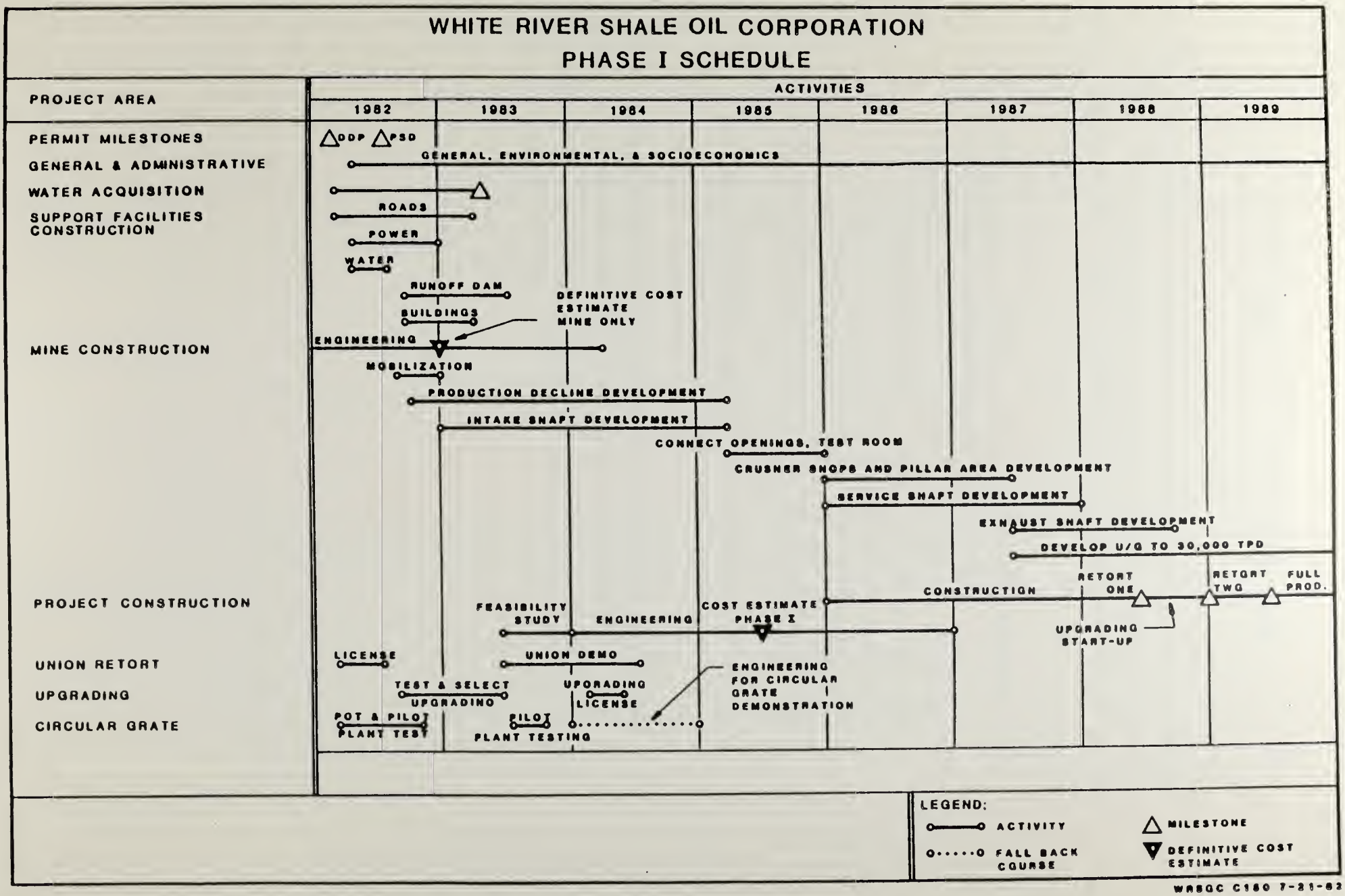


FIGURE 1: WRSP Impact Region

FIGURE 2


WHITE RIVER SHALE OIL CORPORATION
PHASE I SCHEDULE
PROJECT AREA
ACTIVITIES
1982
1983
1984
1985
1986
1987
1988
1989
PERMIT MILESTONES
GENERAL & ADMINISTRATIVE
WATER ACQUISITION
SUPPORT FACILITIES CONSTRUCTION
MINE CONSTRUCTION
PROJECT CONSTRUCTION
UNION RETORT
UPGRADING
CIRCULAR GRATE
DDP
PSD
GENERAL, ENVIRONMENTAL, & SOCIOECONOMICS
ROADS
POWER
WATER
RUNOFF DAM
BUILDINGS
DEFINITIVE COST ESTIMATE MINE ONLY
ENGINEERING
MOBILIZATION
PRODUCTION DECLINE DEVELOPMENT
INTAKE SHAFT DEVELOPMENT
CONNECT OPENINGS, TEST ROOM
CRUSHER SHOPS AND PILLAR AREA DEVELOPMENT
SERVICE SHAFT DEVELOPMENT
EXHAUST SHAFT DEVELOPMENT
DEVELOP U/G TO 30,000 TPD
CONSTRUCTION
RETORT ONE
RETORT TWO
FULL PROD.
UPGRADING START-UP
FEASIBILITY STUDY
ENGINEERING
COST ESTIMATE PHASE X
LICENSE
UNION DEMO
TEST & SELECT UPGRADING
UPGRADING LICENSE
ENGINEERING FOR CIRCULAR GRATE DEMONSTRATION
POT & PILOT PLANT TEST
PILOT PLANT TESTING
LEGEND:
ACTIVITY
FALL BACK COURSE
MILESTONE
DEFINITIVE COST ESTIMATE
WRSOC C180 7-21-82

I. DEVELOPMENTS AT THE PROJECT SITE

During the quarter, construction of the decline and ventilation shaft continued. The mining level was reached in the ventilation shaft and belling out has begun (see Figure 3). Additional detail is provided below:

1. Construction of Decline, Shaft and Related Facilities
   Contractor: Frontier-Kemper Constructors
   Description of Work: Includes sinking of a declining underground tunnel, nearly a mile long, from the surface to the shale mining zone, and sinking of a vertical ventilation shaft. As of December 31, the decline was over 2,700 feet long and the shaft had reached its projected depth of approximately 1,010 feet. Excavation work is continuing at the bottom of the vertical shaft.

In the first quarter of 1984, construction of the mine entries will continue, including work on a test station at the bottom of the vertical shaft. No other projects are scheduled to commence during the first quarter of 1984.

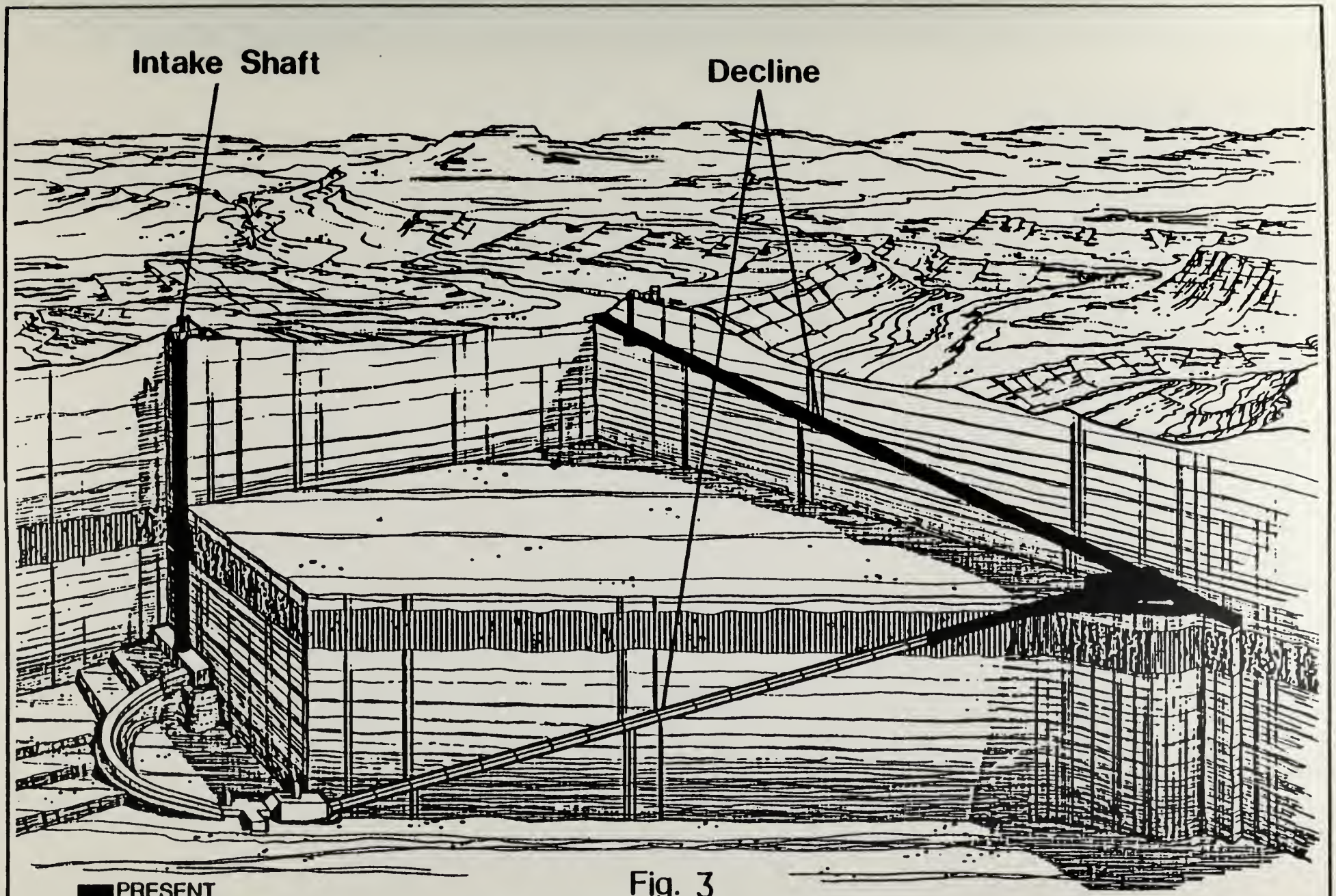


Fig. 3

WHITE RIVER SHALE PROJECT

PHASE 1 PRODUCTION DECLINE & AIR INTAKE SHAFT

II. ACTUAL VS. PROJECTED WRSP EMPLOYMENT

At the end of the quarter, there were 156 persons employed on the White River Shale Project. This total is expected to remain constant in subsequent quarters, with the expectation that the average annual workforce for 1983 and 1984 will be approximately 150 (Figures 4 and 5).

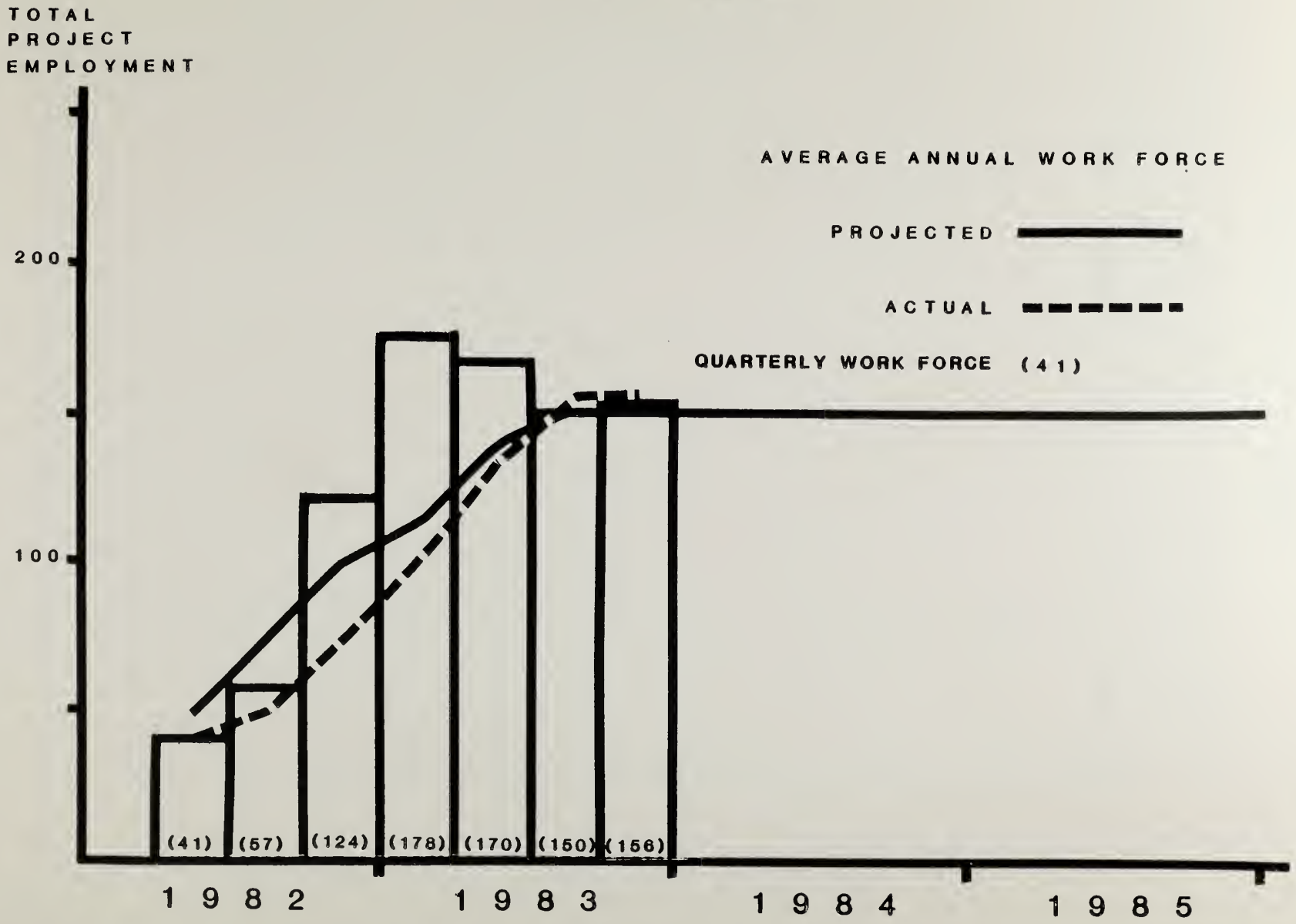
Figure 4

WRSP WORK FORCE

1982-2000

Figure 5

WRSP WORK FORCE
1982-1985



III. MONITORING DATA SUMMARY

Table I presents the results of a questionnaire compiled for the 156 persons employed on the White River Shale Project. Each person completed the questionnaire at the time he or she began work on the WRSP, and all workers updated their questionnaires in December 1983.

Table I

WRSP EMPLOYEE MONITORING DATA
SUMMARY
December 31, 1983

	CURRENT QUARTER		PREVIOUS QUARTER	
	Number of Workers	% of Work Force	Number of Workers	% of Work Force
A. GENERAL				
Permanent Employees	15	10%	15	10%
Temporary Employees	141	90%	135	90%
Total Current Employees	156	100%	150	100%
B. AGE				
18-25	35	22%	35	23%
26-30	29	19%	32	21%
31-15	29	19%	26	17%
36-40	26	17%	22	15%
41-45	13	8%	15	10%
46-50	13	8%	10	7%
51-55	7	4%	8	5%
Over 56	4	3%	2	1%
No Response	0	0%	0	0%
Totals	156	100%	150	99%*
Median Age:	31 Yrs.		31 Yrs.	
C. MARITAL STATUS				
Single	28	18%	24	16%
Married, Single Status	23	15%	41	27%
Married, Family Status	105	67%	85	57%
No Response	0	0%	0	0%
Totals	156	100%	150	100%

* Is not 100% due to rounding.

	CURRENT QUARTER		PREVIOUS QUARTER	
	Number of Workers	% of Work Force	Number of Workers	% of Work Force
D. RESIDENTIAL LOCATION				
Jensen	6	4%	6	4%
Maeser	11	7%	12	8%
Naples	15	10%	11	7%
Vernal	75	48%	76	51%
Other Ashley Valley	35	22%	26	17%
Lapoint	1	1%	1	1%
Roosevelt	0	0%	1	1%
On-site	7	4%	9	6%
Dinosaur	1	1%	2	1%
Rangely	0	0%	1	1%
No Response	5	3%	5	3%
Totals	156	100%	150	100%
E. PRESENT HOUSING				
Single Family Home	60	38%	56	37%
Apartment/Condominium	48	31%	46	31%
Mobile Home	28	18%	13	9%
Recreational Vehicle	13	8%	15	10%
Motel/Hotel	4	3%	14	9%
Other	2	1%	1	1%
No Response	1	1%	5	3%
Totals	156	100%	150	100%
F. PREFERRED HOUSING				
Single Family Home	80	51%	61	41%
Apartment/Condominium	31	20%	24	16%
Mobile Home	16	10%	12	8%
Recreational Vehicle	9	6%	8	5%
Construction Camp/ Modular Housing	1	1%	4	3%
Motel/Hotel	2	1%	4	3%
Other	0	0%	0	0%
No Response	17	11%	37	25%
Totals	156	100%	150	101%*
G. ORIGIN OF WORK FORCE				
Local	26	17%	27	18%
Nonlocal	130	83%	123	82%
No Response	0	0%	0	0%
Totals	156	100%	150	100%

* Is not 100% due to rounding.

	CURRENT QUARTER		PREVIOUS QUARTER	
	Number of Workers	% of Work Force	Number of Workers	% of Work Force
H. PERMANENT RESIDENCES				
Local Work Force				
Jensen	2	7%	2	7%
Maeser	4	15%	4	15%
Naples	4	15%	4	15%
Vernal	11	37%	10	36%
Other Ashley Valley	4	15%	4	15%
Lapoint	1	4%	1	4%
Roosevelt	0	4%	1	4%
Dinosaur	0	4%	1	4%
Rangely	0	0%	0	0%
No Response	0	0%	0	0%
Totals	26	101%*	27	100%
New Residents**				
Jensen	3	5%	2	4%
Maeser	7	14%	5	11%
Naples	4	7%	2	4%
Vernal	23	41%	24	51%
Other Ashley Valley	18	32%	13	28%
Rangely	0	0%	1	2%
Totals	55	99%*	47	100%
Nonlocal Work Force				
Arizona	3	4%	2	3%
California	2	3%	2	3%
Colorado	9	12%	6	8%
Illinois	11	15%	12	16%
Indiana	3	4%	3	4%
Kentucky	2	3%	5	7%
Montana	1	1%	1	1%
New Mexico	3	4%	3	4%
North Carolina	4	5%	5	7%
Virginia	2	4%	2	3%
Wyoming	1	1%	2	3%
Other Non-Utah	12	16%	9	12%
Utah	17	23%	16	21%
No Response	5	7%	8	11%
Totals	75	102%*	76	103%*

* Is not 100% due to rounding.

** Workers on the White River Shale Project that have moved to the area as a result of employment opportunities.

	CURRENT QUARTER		PREVIOUS QUARTER	
	Number of Children	% of Total	Number of Children	% of Total
I. EMPLOYEES' CHILDREN PRESENT, BY AGE				
0-2 Years	31	22%	19	20%
3-5 Years	32	23%	27	22%
6-11 Years	44	31%	38	34%
12-17 Years	34	24%	27	24%
Totals	141	100%	111	100%
Median Age:	6 Yrs.		6 Yrs.	

	Number of Workers	% of Work Force	Number of Workers	% of Work Force
J. PREVIOUS EMPLOYMENT STATUS				
Employed	86	55%	87	58%
Unemployed	56	36%	59	39%
No Response	14	9%	4	3%
Totals	156	100%	150	100%
K. PLANS TO MOVE FAMILY TO AREA				
Plan to Move Family	27	17%	27	18%
Don't Plan to Move Family	37	24%	42	28%
Family Already in Area	82	53%	76	51%
No Response	10	6%	5	3%
Totals	156	100%	150	100%

* Is not 100% due to rounding.

	CURRENT QUARTER		PREVIOUS QUARTER	
	Number of Workers	% of Work Force	Number of Workers	% of Work Force
L. JOB TITLE				
Admin/Security	17	11%	17	11%
Carpenter	4	3%	5	3%
Cement Finisher	3	2%	0	0%
Clerical	5	3%	5	3%
Electrician	3	2%	2	1%
Engineer	12	8%	12	8%
Laborer	6	4%	8	5%
Mechanic	13	8%	11	7%
Miner	51	33%	50	33%
Operator	19	12%	17	11%
Supervisor	7	4%	8	5%
Technician	2	1%	2	1%
Truck Driver	9	6%	8	5%
Welder	1	1%	3	2%
Other	0	0%	0	0%
No Response	4	3%	2	2%
Totals	156	101%*	150	97%*
M. TRAVEL TO WORK				
Drive Alone	42	27%	70	47%
Car Pool	103	66%	69	46%
Other	11	7%	10	7%
No Response	0	0%	1	1%
Totals	156	100%	150	101%*

* Is not 100% due to rounding.

IV. LOCAL IMPACT ANALYSIS

A question and concern to many local officials is the socioeconomic impact caused by the development of the WRSP on their particular city or district. This section describes the general population impacts as determined by the WRSP monitoring program and focuses on municipalities, water and sewer districts, and school districts. The information presented in this section is derived from Tables II-IX which follow this section.

A. Incorporated Cities

Vernal

There are presently 75 WRSP workers living in Vernal. Of the 75, 11 are local workers, while another 23 have established permanent residences in Vernal since coming to the project. The other 41 workers are nonlocal, with approximately 55% of those being single or single status. Of the 75 that live in Vernal, 22 live in single-family homes, 30 live in apartments, 14 live in mobile homes, with the remainder in motels or other accommodations. The total population of WRSP workers and dependents in Vernal City is 188.

Naples

Fifteen WRSP workers reside in Naples. Of that 15, 4 are local, 4 are new residents, while the other 7 are nonlocal workers. Five of the workers in Naples reside in apartments, while another 4 are in single-family homes. The total population of WRSP workers and dependents in Naples is 31.

Other Incorporated Cities

One WRSP worker resides in Dinosaur, Colorado. No workers are commuting from the cities of Rangely or Roosevelt this quarter.

B. Unincorporated Areas

Ashley Valley

In the Ashley Valley, the unincorporated area includes all of the area that is not a part of the cities of Vernal and Naples. At present, 52 WRSP workers live in the unincorporated area. Of that 54, 10 are local workers and 42 are nonlocal. Over 80% of these workers are married and have their families with them, with the remaining workers being single or single-status. Total population of WRSP workers and dependents in the unincorporated area is 166.

C. Water and Sewer Districts

Jensen Water District

The Jensen Water District has 6 WRSP workers living within its boundaries. Of the six, all are married workers and are accompanied by their families. Two of the 6 are local workers. For housing accommodations, 3 workers live in single-family homes, while 3 others live in mobile homes. Total population of WRSP workers and dependents in Jensen is 27.

Maeser Water District

At present, 11 WRSP workers live within the Maeser District. All of the workers, as in the Jensen District, are accompanied by their families. Eight of the 11 live in single-family homes; another 3 live in mobile homes. Four of the 11 workers are local workers, and the other 7 now show Maeser as their permanent residence. Total population of WRSP workers and dependents in Maeser is 33.

Ashley Valley Water and Sewer District

The Ashley Valley Water and Sewer Improvement District (AVWSID) is referred to in the monitoring report as "Other Ashley Valley." There are currently 35 WRSP workers living in the AVWSID; 4 are local and 31 are nonlocal. Of the 31 nonlocal workers, only 3 are

single-status, 4 are single, and 24 are accompanied by their families. Nineteen of the workers in the AVWSID live in single-family homes, while another 12 live in apartments. Total population of WRSP workers and dependents in the District is 106.

D. School District

Four school districts are within the impact region of the White River Shale Project. They are the Uintah School District, Duchesne School District, Rio Blanco (RE-4) School District, and the Moffatt County School District.

Shown below are the communities in the region, the number of school-aged children that are WRSP-related, and a local/nonlocal designation:

NO. OF CHILDREN AGED 6-17

	Local	Nonlocal	Total
Uintah School District			
Jensen	8	4	12
Maeser	3	5	8
Naples	0	7	7
Vernal	5	21	26
Other Ashley Valley	4	18	22
Duchesne School District			
Roosevelt	0	0	0
Rio Blanco School District			
Rangley	0	0	0
Moffatt County School District			
Dinosaur	0	1	1
Other	0	2	2
Total	20	58	78

Table II

MARITAL STATUS OF LOCAL WORKERS
December 31, 1983

Current Residence	Single Workers	Married Workers	No Response	Total Local Work Force
Jensen	0	2	0	2
Maeser	0	4	0	4
Naples	2	2	0	4
Vernal	4	7	0	11
Other Ashley Valley	0	4	0	4
Lapoint	1	0	0	1
Roosevelt	0	0	0	0
On-site	0	0	0	0
Dinosaur	0	0	0	0
Rangely	0	0	0	0
No Response	0	0	0	0
Total Local Work Force	7	19	0	26

Table III

MARITAL STATUS OF NONLOCAL WORKERS
December 31, 1983

Current Residence	Single Workers	Married Workers Spouse Not Living in the Area	Married Workers Spouse Living in the Area	Total Nonlocal Work Force
Jensen	0	0	4	4
Maeser	0	0	7	7
Naples	2	3	6	11
Vernal	15	10	39	64
Other Ashley Valley	4	3	24	31
Roosevelt	0	0	0	0
On-site	0	4	3	7
Dinosaur	0	0	1	1
Rangely	0	0	0	0
No Response	0	3	2	5
Total Nonlocal Work Force	21	23	86	130

Table IV

PREVIOUS EMPLOYMENT STATUS
December 31, 1983

	Previously Employed	Previously Unemployed	No Response	Total Work-Force
Local Workers Living in:				
Ashley Valley	17	7	1	25
Colorado	0	0	0	0
Other	0	0	0	0
No Response	1	0	0	1
Total Local Workers	18	7	1	26
Nonlocal Workers from:				
Utah	45	23	4	72
Outside Utah	22	24	7	53
Total Nonlocal Workers	67	47	11	125
No Response	1	2	2	5
Total	86	56	14	156

Table V

WORKERS' CHILDREN PRESENT, BY AGE GROUP
December 31, 1983

Number of Children Present

Current Residence	0-2 Years		3-5 Years		6-11 Years		12-17 Years		Total Children	
	Local	Non-Local	Local	Non-Local	Local	Non-Local	Local	Non-Local	Local	Non-Local
Jensen	1	0	0	1	5	3	3	1	9	5
Maeser	1	0	1	1	2	4	1	1	5	6
Naples	0	1	0	0	0	3	0	4	0	8
Vernal	3	19	3	12	2	13	3	8	11	52
Other Ashley Valley	1	5	2	12	2	8	2	10	7	35
On-site	0	0	0	0	0	0	0	0	0	0
Roosevelt	0	0	0	0	0	0	0	0	0	0
Dinosaur	0	0	0	0	0	0	0	1	0	1
Rangely	0	0	0	0	0	0	0	0	0	0
No Response	0	0	0	0	0	2	0	0	0	2
Total Children Present	6	25	6	26	11	33	9	25	32	109

Table VI

HOUSING OF LOCAL VS. NONLOCAL WORKERS
December 31, 1983

Type of Housing	Local Workers	Nonlocal Workers	Total Work Force
Single Family Home	19	41	60
Apartment/Condominium	3	45	48
Mobile Home	4	24	28
Recreational Vehicle	0	13	13
Motel	0	4	4
Other	0	2	2
No Response	0	1	1
Total Work Force	26	130	156

Table VII

RESIDENCES OF LOCAL WORKERS
December 31, 1983

Current Residence	Single Family Home	Apartment/ Condominium	Mobile Home	Recreational Vehicle	Motel	No Response	Total Nonlocal Workers
Jensen	2	0	0	0	0	0	2
Maeser	2	0	2	0	0	0	4
Naples	3	0	1	0	0	0	4
Vernal	8	2	1	0	0	0	11
Other Ashley Valley	3	1	0	0	0	0	4
Lapoint	1	0	0	0	0	0	1
Roosevelt	0	0	0	0	0	0	0
On-site	0	0	0	0	0	0	0
Dinosaur	0	0	0	0	0	0	0
Total Local Workers	19	3	4	0	0	0	26

Table VIII

RESIDENCES OF NONLOCAL WORKERS
December 31, 1983

Current Residence	Single Family Home	Apartment/ Condominium	Mobile Home	Recreational Vehicle	Motel	No Response	Total Nonlocal Workers
Jensen	1	0	3	0	0	0	4
Maeser	6	0	1	0	0	0	7
Naples	1	5	5	0	0	0	11
Vernal	14	28	13	4	4	1	64
Other Ashley Valley	16	11	2	2	0	0	31
On-site	0	0	0	7	0	0	7
Rangely	0	0	0	0	0	0	0
Dinosaur	1	0	0	0	0	0	1
No Response	2	1	0	0	0	2	5
Total Local Workers	41	45	24	13	4	3	130

TABLE IX
TOTAL EMPLOYEES AND DEPENDENTS
BY LOCALITY
December 31, 1983

Current Residence	Workers	Spouses	Children	Total
Jensen	6	6	15	27
Maeser	11	11	11	33
Naples	15	8	8	31
Vernal	75	46	67	188
Other Ashley Valley	35	28	43	106
Lapoint	1	0	0	1
Roosevelt	0	0	0	0
On-site	7	3	1	11
Rangely	0	0	0	0
Dinosaur	1	1	2	4
No Response	5	2	2	9
Totals	156	105	149	410

V. HOUSING MONITORING DATA

This section of the Monitoring Report presents occupancy rates, rental costs, and other data on housing in Ashley Valley. The monitoring of housing is an integral part of the White River Shale Project's housing strategy as stated in Section 3.5 of the WRSP Housing Master Plan.

A. Occupancy Rates and Rental Fees

The following categories of housing are being monitored by the White River Shale Oil Corporation: large apartment complexes, small apartment complexes, duplexes, mobile home parks, RV parks, existing housing presently for sale, condominiums, and motels. The data will be presented on an individual and composite basis for each of the housing projects monitored, and should be useful to WRSOC and the public and private sectors in their decision-making processes.

1. Large Apartment Complexes - A large apartment complex is defined as a rental complex with over 24 units and is managed as a complex. The Ashley Valley has 10 such apartment complexes with a total of 341 units. The monitoring data for the last two quarters are shown below:

		---4th Quarter 1983---			---3rd Quarter 1983---		
Complex	No. Units	No. Units Occupied	Rent Per Unit	Vacancy Rate	No. Units Occupied	Rent Per Unit	Vacancy Rate
1	24	23	$312	4%	19	$312	26%
2	28	24	$310	14%	19	$310	32%
3	40	31	$310	23%	34	$312	15%
4	32	29	$250	9%	24	$250	25%
5	40	10	$360	75%	15	$360	63%
6	44	44	$310	0%	44	$310	0%
7	26	26	$100	0%	26	$125	0%
8	31	31	$300	0%	30	$250	3%
9	28	11	$325	61%	10	$300	62%
10	48	7	$325	85%	NA	NA	NA
Composite	341	236	$297	31%	221	$287	25%

NA - Not Available

2. Small Apartment Complexes - Small apartments are complexes that have between 3 and 23 units. A sample of seven such units have been selected for analysis. Different complexes will be selected each year to ensure a somewhat random sample. The data developed for these rental units are:

		---4th Quarter 1983---			---3rd Quarter 1983---		
Complex	No. Units	No. Units Occupied	Rent Per Unit	Vacancy Rate	No. Units Occupied	Rent Per Unit	Vacancy Rate
1	8	6	$338	25%	8	$350	0%
2	4	4	$275	0%	4	$275	0%
3	4	3	$300	25%	3	$200	25%
4	4	4	$300	0%	4	$300	0%
5	8	7	$315	13%	8	$315	0%
6	16	15	$200	6%	12	$200	25%
7	8	7	$290	13%	7	$290	13%
Composite	52	47	$274	10%	47	$268	12%

3. Mobile Home Parks - Monitoring was completed for all mobile home parks in the Ashley Valley having more than 100 spaces. The data generated by the survey is shown below:

		---4th Quarter 1983----			---3rd Quarter 1983---		
Mobile Home Parks	No. Spaces	No. Spaces Occupied	Rent Per Space	Vacancy Rate	No. Spaces Occupied	Rent Per Space	Vacancy Rate
1	153	73	$ 93	52%	70	$100	54%
2	168	92	160	43%	100	160	40%
3	180	8	150	96%	8	150	96%
4	120	119	110	1%	115	110	4%
Composite	621	292	$131	53%	293	$133	53%

4. Recreational Vehicle Parks - Only RV parks having more than 50 spaces will be surveyed. At present, that includes two parks. The following data on RV parks have been developed:

		---4th Quarter 1983----			----3rd Quarter 1983----		
RV Parks	No. Spaces	No. Spaces Occupied	Rent Per Space	Vacancy Rate	No. Spaces Occupied	Rent Per Space	Vacancy Rate
1	140	28	$160	80%	60	$160	57%
2	149	12	$150	92%	40	$150	73%
Composite	289	40	$154	86%	100	$154	65%

5. Duplexes - Ten duplexes, or 20 units, have been selected for monitoring on a quarterly basis. Some changes in the sample will be made each quarter to provide a more complete cross section of the present rental market for duplexes. No effort is made to distinguish between size, rental fee, or quality in selecting the sample. The survey of 10 duplexes for this quarter shows the following:

		---4th Quarter 1983---			---3rd Quarter 1983---		
Duplexes	No. Units	No. Units Occupied	Avg. Rent Per Unit	Vacancy Rate	No. Units Occupied	Avg. Rent Per Unit	Vacancy Rate
10	20	18	$326	10%	17	$326	15%

6. Motel Rooms - During a project's construction period, motel and hotel rooms can be used for housing temporary construction workers. For that reason, WRSOC has selected and will be monitoring the occupancy rate of five motels/hotels in the Ashley Valley. Data will show average occupancy rates for weekdays and weekends for the last month of the

quarter and average daily rate per room. The information collected for the last two quarters of 1983 is shown below:

		---4th Quarter 1983---			----3rd Quarter 1983---		
Hotels	Rooms	Week-Days*	Week-Ends**	Avg. Rate	Week-Days	Week-Ends	Avg. Rate
1	40	50	25	$22	95	70	$25
2	59	40	20	34	100	50	35
3	54	30	10	35	85	63	34
4	166	45	25	28	54	30	28
5	102	65	20	45	100	35	39
Composite	420	50	21	$33	79	42	$32

* Weekdays are Monday, Tuesday, Wednesday, and Thursday

** Weekends are Friday, Saturday and Sunday

B. Existing Housing for Sale

A significant factor in assessing the area's housing situation is the number of existing homes for sale. WRSOC has chosen to monitor this variable by compiling the number of listings of single-family homes held by four of the larger real estate companies in the Ashley Valley (ERA, Century 21, Realty-World, and Aspen Brook). While this method will not provide a total of existing homes for sale, it will yield a meaningful barometer of the number and type of homes for sale in the Ashley Valley. The data for the last two quarters from each of the firms is:

	----------Single Family Homes----------							
	0-$59,000		$60,000 - $90,000		$100,000+		Mobile Homes	
	4th Qtr	3rd Qtr	4th Qtr	3rd Qtr	4th Qtr	3rd Qtr	4th Qtr	3rd Qtr
Realty-World	8	11	17	20	4	3	15	14
ERA	11	25	14	32	8	12	2	8
Century 21	34	22	51	42	10	15	12	8
Aspen Brook	39	23	36	35	18	19	4	5
Subtotal	92	81	138	129	40	49	33	35

A number of condominium projects have been constructed in the Vernal area in the last couple of years. These projects will also be monitored to determine occupancy on a quarterly basis. One of the projects shown last quarter is now a rental property and is included as a "Large Apartment Complex." Show below are the number of units available and the number of units occupied for the two local condominimum projects:

		---4th Quarter 1983---		---3rd Quarter 1983---	
Project	Units	No. Units Occupied	Vacancy Rate	No. Units Occupied	Vacancy Rate
1	48	1	98%	0	100%
2	24	2	92%	2	92%

C. Building Permit Activity

The current building activity in the Ashley Valley is another important element of the local housing situation. To monitor such activity, the report will include the number of building permits issued during the quarter by the public entities. Figures for the third and fourth quarters of 1983 are shown below:

	----4th Quarter 1983-----			----3rd Quarter 1983-----		
	Single Family	Mobile Home	Multi-Unit (No. Units)	Single Family	Mobile Home	Multi-Unit (No. Units)
Vernal City	7	63	44	4	0	2
Naples City	7	9	0	5	0	0
Unincorporated Uintah County	15	19	0	23	21	0
Total	29	91	44	32	21	2

SOURCE: City-County Planner's Office, Uintah County, Utah.
Naples City Office, Naples, Utah.
Vernal City Office, Vernal, Utah.

D. Conventional Mortgage Rates

A major component in the housing industry is the financing of a home by a buyer. To monitor this factor, financial institutions in the Ashley Valley will be contacted quarterly to determine interest rates on home mortgages.

The rates and limits on mortgage amounts for a 30-year fixed payment mortgage are shown below for the four institutions:

Lending Institution	----4th Quarter 1983---- Interest Rate	Loan Limit	----3rd Quarter 1983---- Interest Rate	Loan Limit
1	13.5	$114,000	13.75	$108,300
2	13.375	108,300	13.5	500,000
3	13.625	114,000	13.875	108,300
4	13.0	67,500	14.5	110,000

VI. OTHER SOCIOECONOMIC INFORMATION

In addition to population and demographic data generated by the WRSOC monitoring program, other socioeconomic information is relevant in considering the impact of industrial activities on public entites. This section of the report will provide current information on enrollments in the four local school districts, local unemployment rates, and federal mineral leasing revenues that accrue to the State of Utah. Other data or factors deemed appropriate may be included in this section in the future.

A. School Enrollments

Table X shows the student enrollment for individual schools and school districts that are located within the WRSP impact region. Enrollments for the last three years are shown, in addition to the capacity of each school.

B. Mineral Lease Revenues

Mineral leasing funds represent a portion of the money paid to the U.S. government for the leasing or production of minerals on federal lands and constitute a source of impact assistance for Uintah and Duchesne County entities. One-half of the money paid as mineral lease funds is returned to the state where such lands are located. In Utah, 32.5% of the state's share is appropriated by statute to the Community Impact Fund. Uintah County continues to lead all counties in Utah in the generation of mineral lease money as shown on Table XI.

C. Unemployment Rates

The unemployment rates for selected months in the Uintah Basin region are:

	Apr'83	Jun'83	Aug'83	Oct'83	Dec'83
Duchesne County	13.6	10.9	10.2	10.5	8.0
Uintah County	13.2	11.3	10.3	9.1	7.8
Rio Blanco County (CO)	12.6	9.3	7.0	6.1	N/A
Moffatt County (CO)	15.9	12.9	10.2	10.0	N/A

N/A = Not Available.

SOURCE: Utah Department of Employment Security, Colorado Department of Labor and Employment

Table X

DUCHESNE, UINTAH, AND RIO BLANCO COUNTY (RE-4)
SCHOOL DISTRICTS' ENROLLMENT AND CAPACITY

	Enrollment			
	Fall 1981	Fall 1982	Fall 1983	Student Capacity
Uintah District				
Todd Elementary (Westside)	694	695	464	525
West Jr. High (Westside)	237	315	249	234
Ashley Elementary	567	538	552	582
Central Elementary	479	465	433	430
Davis Elementary	N/A	N/A	540	600
Discovery Elementary	630	654	567	587
Lapoint Elementary	N/A	N/A	439	600
Maeser Elementary	647	606	551	701
Naples Elementary	641	646	356	467
Vernal Jr. High	1,002	1,637*	1,597*	959
Uintah High School	791	860	878	922
Learning Center (Special Ed.)	84	90	81	67
Total	5,772	6,506	6,707	6,674
Duchesne District				
Altamont Elementary	387	395	381	332
Altamont High	241	252	276	289
Neola Elementary	251	272	281	435
Tabiona Elementary-High School	124	194	106	655
Duchesne Elementary	420	488	488	375
Duchesne High	303	324	334	416
Myton Elementary	226	241	249	569
ConAmore North (Special Ed.)	22	27	46	26
Roosevelt Elementary	298	345	359	367
East Elemetary (Roosevelt)	639	673	734	527
Roosevelt Jr. High	439	487	527	520
Union High (Roosevelt-Ballard)	595	567	580	600
Total	3,945	4,265	4,361	5,111
Rio Blanco District (RE-4)				
Rangely Elementary	239	320	326	450
Rangely Junior High	152	177	178	181
Rangely High School	150	208	215	380
Total	541	705	719	1011
Dinosaur Elementary**	61	108	79	175

N/A = Not Applicable

* In September of 1982, Vernal Junior High instituted double sessions. The morning session accommodates Grades 6-7, the afternoon accommodates Grades 8-9. The elementary schools in Ashley Valley, for the '82-83 school year, enrolled Grades K-5.

** Students in grades 7-12 from Dinosaur attend the Rangely Junior High and High Schools.

SOURCE: School district officials.

TABLE XI
MINERAL LEASE REVENUES
BY COUNTY

County	FY 1981*	% of Total	FY 1982**	% of Total	FY 1983***	% of Total
Uintah	$ 4,511,584	24.6	$ 7,754,331	24.3	$10,649,274	29.5
San Juan	2,215,035	12.1	3,101,738	16.9	4,459,168	12.3
Emery	2,064,299	11.2	2,907,779	15.8	4,325,102	12.0
Grand	1,228,694	6.7	1,903,840	10.4	3,377,523	9.3
Garfield	828,027	4.5	1,489,120	8.1	2,103,346	5.8
Carbon	781,713	4.3	1,484,176	8.1	1,611,109	4.5
Millard	1,034,099	5.6	1,268,073	6.9	1,364,592	3.8
Sevier	750,862	4.1	1,179,987	6.4	1,241,568	3.4
Tooele	581,325	3.2	791,256	4.3	1,188,500	3.3
Juab	414,038	2.3	731,944	4.0	730,026	2.0
Kane	584,646	3.2	663,318	3.6	686,247	1.1
Beaver	559,065	3.0	614,504	3.3	666,354	1.8
Iron	446,874	2.4	533,432	2.9	577,935	1.6
Washington	378,089	2.1	451,144	2.5	489,314	1.4
Wayne	250,403	1.4	326,663	1.8	467,129	1.3
Duchesne	149,547	.8	313,036	1.7	419,091	1.2
Box Elder	330,160	1.8	311,013	1.7	380,584	1.1
Utah	156,507	.9	196,474	1.1	328,371	0.9
Summit	272,655	1.5	171,204	.9	282,618	0.8
Daggett	214,908	1.2	164,247	.9	201,872	0.6
Piute	91,286	.5	141,147	.8	176,909	0.5
San Pete	87,223	.5	91,922	.5	129,306	0.4
Wasatch	73,502	.4	89,008	.5	91,613	0.3
Rich	222,268	1.2	86,495	.5	80,563	0.2
Cache	87,841	.5	85,524	.5	74,729	0.2
Morgan	16,513	--	16,568	--	17,208	--
Weber	10,898	--	10,923	--	11,417	--
Salt Lake	9,395	--	10,408	--	10,776	--
Davis	518	--	469	--	464	--
Undistributed			772	--		
TOTAL	$18,351,884		$26,890,535		$36,142,708	

* Includes receipts from BLM dated 12/1/80 and 5/14/81 which fall within the Utah Fiscal year 1981.

** Includes receipts from BLM dated 11/30/81 and 5/6/82 which fall within the Utah Fiscal year 1982.

*** Includes receipts from BLM dated 11/19/82 and 5/10/83 which fall within the Utah Fiscal Year 1983.

SOURCE: State of Utah Division of Finance, BLM Records for Mineral Leasing Act Payments.

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